PONY

Maths

For The Primary Stage

2nd. Primary

Lessons

Part 1

Lesson 1

3-Digit Numbers

Hundreds	Tens	Units
4	4	4
four hundred	and forty	four

Example

2 6 4 is read as : Two hundred and sixty four.
5 8 0 is read as : Five hundred and eighty .
5 0 8 is read as : Five hundred and eight .
5 0 0 is read as : Five hundred.

Write in words :

300 ....

620 ....

702 ....

412 ....

525 ....

888 ....

202 ....

220 ....

135 ....

Example

		H	T	U
Five hundred	is written as :	5	0	0
Five hundred and fifty	is written as :	5	5	0
Five hundred and five	is written as :	5	0	5
Five hundred and fifty five	is written as :	5	5	5

Write in digits :

	H	T	U
Six hundred	...	...	...
Two hundred	...	...	...
Nine hundred and twenty	...	...	...
Eight hundred and sixty	...	...	...
Eight hundred and seven	...	...	...
Two hundred and six	...	...	...
Two hundred and sixteen	...	...	...
Four hundred and seventeen	...	...	...
Four hundred and sixty two	...	...	...
Nine hundred and ninety six	...	...	...
Nine hundred and ninety nine	...	...	...
One hundred and one	...	...	...
One hundred and eleven	...	...	...
One hundred and ten	...	...	...

Lesson 2

Units , Tens and Hundreds

	Hundreds	Tens	Units
The Place	4	4	4
The Value	400 4 hundreds	40 4 tens	4 4 units

Example,

856 = 8 hundreds + 5 tens + 6 units
856 = 800 + 50 + 6

806 = 8 hundreds + 6 units
806 = 800 + 6

850 = 8 hundreds + 5 tens
850 = 800 + 50

Complete :

4 5 6 = …… hundreds + …… tens + …… units

2 0 4 = …… hundreds + …… tens + …… units

3 6 0 = …… hundreds + …… tens + …… units

9 0 0 = …… hundreds + …… tens + …… units

………… = 3 hundreds + 5 tens + 7 units

………… = 4 hundreds + 8 units

………… = 5 hundreds + 1 ten

Complete :

542 =……… + ………+ ………

701 =……… + ………

830 =……… + ………

456 = ……… + 50 + ………

589 = ……… + ……… + 9

741 = 700 + ……… + 1

…. …. ….= 500 + 20 + 3

…. …. ….= 700 + 50

…. …. ….= 900 + 3

450 = ……. + 50

308 = ……. + ……

…. …. ….= 800 + 70 + 2

Complete :

a) 4 hundred , 6 tens and 3 units : the number is ………….

and is read ……………………………………………………………………………

b) 5 hundred , 7 tens and 8 units : the number is ………….

and is read ……………………………………………………………………………

c) 2 hundred and 5 units : the number is ………….

and is read ……………………………………………………………………………

d) 9 hundred and 5 tens : the number is ………….

and is read ……………………………………………………………………………

Underline the suitable number :

4 hundreds and 3 tens	403 , 430 , 304 , 340
7 hundreds and 2 tens	702 , 720 , 207 , 270
5 hundreds and 4 units	504 , 540 , 405 , 450
5 hundreds,3 tens and 4 units	453 , 354 , 534 , 435

Example

The value of 5 in 3 5 7 is 50

The place value of 5 in 3 5 7 is Tens

Write the place-value of 4 in each of the following numbers:

425 : .... 345 : ....

234 : .... 409 : ....

640 : .... 804 : ....

Complete :

The value of 5 in 425 is ....

The value of 7 in 789 is ....

The value of 6 in 260 is ....

The value of 3 in 503 is ....

Circle the value of the underlined number :

2<u>7</u>5	34<u>9</u>	<u>2</u>79
700 , 70 , 7	900 , 90 , 9	200 , 20 , 2
61<u>8</u>	**<u>5</u>01**	**3<u>6</u>0**
800 , 80 , 8	500 , 50 , 5	600 , 60 , 6

Join the cards with equal numbers :

600 + 53	653	200 + 40 + 8
48 + 200		650 + 3
6 hundreds , 5 tens and 3 units	248	2 hundreds , 4 tens and 8 units

Lesson 3

Complete in the same pattern :

100 ,	200 ,	300 ,	……… ,	……… ,	………
900 ,	800 ,	700 ,	……… ,	……… ,	………
100 ,	300 ,	500 ,	……… ,	………	
800 ,	600 ,	400 ,	……… ,	………	
175 ,	176 ,	177 ,	……… ,	……… ,	………
306 ,	307 ,	308 ,	……… ,	……… ,	………
999 ,	998 ,	997 ,	……… ,	……… ,	………
653 ,	652 ,	651 ,	……… ,	……… ,	………

Write the number comes just after :

345 : ……………… **450 :** ………………

769 : ……………… **400 :** ………………

109 : ……………… **299 :** ………………

Write the number comes just before :

287 : ……………… **670 :** ………………

800 : ……………… **370 :** ………………

100 : ……………… **601 :** ………………

2 tens + 8 tens = 10 tens
20 + 80 = 100

6 tens + 4 tens = 10 tens
60 + 40 = 100

1 ten = 10
2 tens = 20
↓ ↓
10 tens = 100

Complete :-

4 tens + 6 tens = ... tens
...... + ... = ...

2 tens + 8 tens = ... tens
...... + ... = ...

1 ten + 9 tens = ... tens
...... + ... = ...

... tens + ... tens = ... tens
30 + 70 = ...

... tens + 5 tens = ... tens
50 + ... = ...

... tens + ... tens = ... tens
60 + ... = 100

2 hundreds + 5 hundreds = 7 hundreds
100 + 500 = 700

4 hundreds + 4 hundreds = 8 hundreds
400 + 400 = 800

10 tens = 100 → 10 tens = 1 hundred
20 tens = 200 → 20 tens = 2 hundreds
30 tens = 300 → 30 tens = 3 hundreds
↓ ↓ ↓ ↓
90 tens = 900 → 90 tens = 9 hundreds

Complete :-

4 hundreds + 2 hundreds = ... hundreds
.... + ... = ...

5 hundreds + 3 hundreds = ... hundreds
.... + ... = ...

6 hundreds + 3 hundreds = ... hundreds
.... + ... = ...

...... hundreds + ... hundred = ... hundreds
400 + 100 = ...

...... hundreds + ... hundred = ... hundreds
300 + 400 = ...

... hundreds + ... hundred = ... hundreds
400 + ... = 900

Lesson 4

Comparing two numbers

Write all numbers that can be formed using the cards that have the following digits : 5 4 7 then complete :

The greatest number is ....

The smallest number is ....

Complete :

The greatest 3-digit number is ....

The smallest 3-digit number is ....

The greatest 3- different -digit number is ....

The smallest 3- different -digit number is ....

The greatest 3- same -digit number is ....

The smallest 3- same -digit number is ....

The greatest number formed from 2 , 6 and 5 is ....

The greatest number formed from 3 , 5 and 0 is ....

The smallest number formed from 7 , 8 and 3 is ....

The smallest number formed from 6 , 1 and 0 is ....

The greatest 3-digit number formed from 6 and 5 is ....

The smallest 3-digit number formed from 6 and 5 is ....

The greatest 3-digit number formed from 3 and 7 is ....

The smallest 3-digit number formed from 3 and 7 is ....

Complete using the suitable sign ((< , = or >)):

254	☐	564	124	☐	547	357	☐	375
564	☐	567	758	☐	778	367	☐	157
456	☐	456	8 tens	☐	801	5 hundreds	☐	498
300	☐	30 tens	500	☐	50units	6 tens	☐	600

Under line the greatest number :

- 265 , 625
- 131 , 132
- 560 , 506
- 364 , 759
- 321 , 312
- 645 , 752

Under line the smallest number :

- 769 , 624
- 795 , 597
- 774 , 877
- 770 , 707
- 791 , 917
- 600 , 499

Arrange each of the following sets of numbers :

In **ascending** order (from the smallest to the greatest)

and in **descending** order (from the greatest to the smallest)

a) 358 , 879 , 246 , 612 , 501

ascendingly : .... , ... , ... , ... , ...

descendingly : .... , ... , ... , ... , ...

b) 576 , 675 , 756 , 567 , 657

ascendingly : .... , ... , ... , ... , ...

descendingly : .... , ... , ... , ... , ...

c) 55 , 500 , 505 , 50 , 550

ascendingly : .... , ... , ... , ... , ...

descendingly : .... , ... , ... , ... , ...

Lesson 5 Adding Two Numbers by Renaming

```
    1
    4̸    8
+   2    5
---------
    6   (1)3
  | 7    3 |
```

$\overset{1}{\cancel{4}}8 + 25 = 6\ (1)3 = \boxed{73}$



Add

28 + 8 = ...	36 + 7 = ...	48 + 36 = ...	19 + 75 = ...
25 + 18 = ...	7 + 47 = ...	27 + 56 = ...	78 + 14 = ...
99 + 1 = ...	89 + 76 = ...	37 + 18 + 9 = ...	15 + 39 + 36 = ...

T	U		T	U		T	U
4	8	+	2	5	=	7	3

Add

3 5 + 7 = ...

4 7 + 6 = ...

5 7 + 2 6 = ...

2 5 + 3 5 = ...

4 6 + 2 6 = ...

6 7 + 3 7 = ...

4 5 + 6 + 2 9 = ...

3 5 + 1 7 + 1 4 = ...

Adding Two Numbers by Renaming

Add

123 + 245 = ...	456 + 321 = ...	789 + 100 = ...	246 + 452 = ...
218 + 5 = ...	325 + 6 = ...	417 + 88 = ...	126 + 96 = ...
119 + 167 = ...	378 + 281 = ...	672 + 278 = ...	478 + 189 = ...
99 + 1 = ...	889 + 11 = ...	676 + 156 + 37 = ...	122 + 278 + 199 = ...

Mr. Mohamed Nasr El Din 01210901817-01004201098

Add

H T U

4 6 2 + 2 9 = …. …. ….

2 6 5 + 7 3 = …. …. ….

2 2 2 + 3 9 9 = …. …. ….

3 7 4 + 1 4 4 = …. …. ….

4 8 7 + 1 8 7 = …. …. ….

5 9 9 + 1 = …. …. ….

1 4 7 + 4 6 = …. …. ….

3 7 8 + 2 9 1 = …. …. …

4 5 6 + 2 8 7 = …. …. …

3 6 9 + 4 5 5 = …. …. …

6 6 6 + 2 5 4 = …. …. …

2 7 1 + 6 2 9 = …. …. …

Lesson 7 Adding Two Numbers by Renaming

Complete : (as in the example)

234 + (125 + 365) = (234 + 125) + 365
454 + 424 = 424 + 454

315 + 319 = ... + 315 | 119 + 409 = 409 + ...

.... + 225 = 225 + 45 | 111 + ... = 332 + 111

372 + (346 + 261) = (........ + 346) + ...

602 + (........ + 225) = (602 + 310) + ...

652 + (325 + ...) = (........ + 325) + 476

Complete using (< , = or >) :

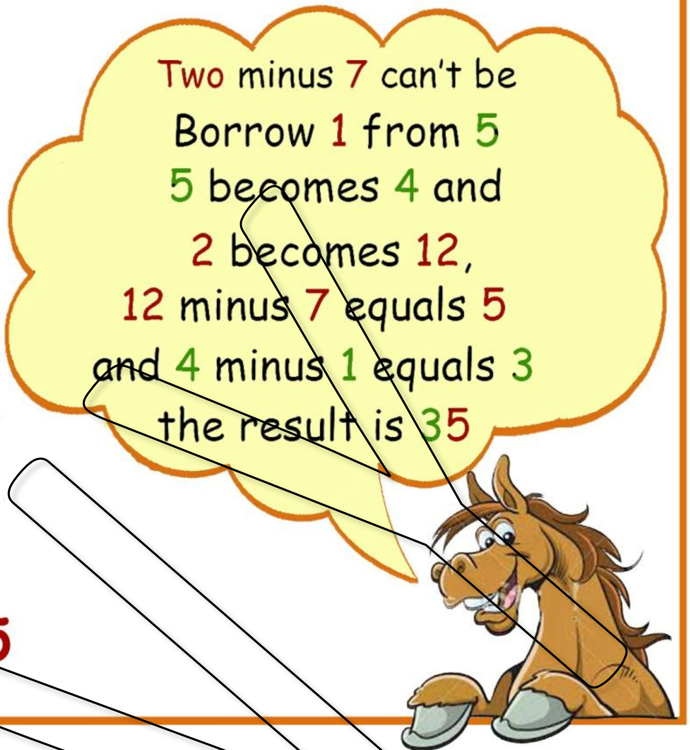
535 + 324	☐	454 + 424	244 + 88	☐	332
405 + 203	☐	315 + 319	450 + 50	☐	499 + 1
245 + 545	☐	111 + 99	328	☐	119 + 409

Lesson 8 Subtraction by Renaming

1 tens = 10 units

	4	12
	~~5~~	~~2~~
-	1	7
	3	5

4 12
~~5~~ ~~2~~ - 1 7 = 3 5



Subtract :

35 − 8 = ...	36 − 7 = ...	65 − 36 = ...	42 − 25 = ...
75 − 18 = ...	90 − 47 = ...	83 − 56 = ...	78 − 29 = ...

3 5 − 7 = ...

8 6 − 8 = ...

7 0 − 2 9 = ...

7 3 − 3 5 = ...

8 2 − 1 9 = ...

5 1 − 1 5 = ...

Subtract

```
  7 5 3        4 5 6        2 1 8
- 2 4 5      - 3 2 1      -     5
-------      -------      -------
 …. …. ….     …. …. ….     …. …. ….

  3 2 5        4 9 7        7 7 8
-     6      -   4 8      - 2 8 1
-------      -------      -------
 …. …. ….     …. …. ….     …. …. ….

  7 0 5        1 0 0        2 0 0
-   7 8      -     1      - 1 5 9
-------      -------      -------
 …. …. ….     …. …. ….     …. …. ….
```

4 6 2 - 9 = …. …. ….

2 6 5 - 7 3 = …. …. ….

4 8 7 - 1 8 7 = …. …. ….

6 0 0 - 2 5 4 = …. …. ….

Lesson 10

Complete in the same pattern

Example :

+23 +23 +23

245 , 268 , 291 , 314 , 337 .... , 360 .... , 383 ......

268 - 245 = 23

KEY → 23

314 + 23 = 337

337 + 23 = 360

360 + 23 = 383

Example :

-24 -24 -24

988 , 964 , 940 , 916 , 892 .... , 868 .... , 844 ......

988 - 964 = 24

KEY → 24

916 - 24 = 892

892 - 24 = 868

868 - 24 = 844

1) 423 , 434 , 445 , 456 , ... , ... , ...

---

2) 215 , 325 , 435 , 545 , ... , ... , ...

---

3) 800 , 750 , 700 , 650 , ... , ... , ...

Mr. Mohamed Nasr El Din 01210901817-01004201098

Complete in the same pattern :

105 , 115 , 125 , ……… , ……… , ……… , ………

350 , 450 , 550 , ……… , ……… , ……… , ………

770 , 760 , 750 , ……… , ……… , ……… , ………

115 , 225 , 335 , ……… , ……… , ……… , ………

Complete in the same pattern :

60	50	40	
50			20
		20	
30			0

20	30		50
40			
	60		80

1) Fady bought a book for 350 piastres and a pen for 175 piastres.

How much money did he pay ?

He paid = ………… + ………… = …………… ……………………

2) Mona has 60 pounds .She bought a book for 17 pounds .

How much money left with her ?

The remainder = ………… − ………… = …………… ……………………

3) Nabil bought books for 68 pounds and stationery for 44 pounds.

If he had 150 pounds , how much remained with him ?

Buying price = ………… + ………… = …………… ……………………

The rest = ………… − ………… = …………… ……………………

Remeber

3 2 5 + *4 3 3* = 7 5 8 ⇨ 7 5 8 − 3 2 5 = *4 3 3*

4 6 8 + 2 0 4 = 6 7 2 ⇨ 6 7 2 − 2 0 4 = *4 6 8*

Complete :

4 6 2 + …. …. … = 7 2 9

…. …. … + 1 4 6 = 9 4 7

2 6 5 + …. …. … = 9 7 3

…. …. … + 2 9 1 = 6 7 8

Complete :

4 3 5 + □□□ = 6 2 7

□□□ + 3 2 7 = 7 8 0

3 5 □ + 2 □ 7 = □ 9 9

2 □ 7 + 4 5 □ = 7 0 5

3 □ 5 + 1 2 □ = 5 0 0

2 4 □ + □□ 6 = 5 0 4

3 7 5 + 3 □ 7 = 7 2 □

□ 1 8 + 3 □ 7 = 5 7 □

2 □ 8 + □ 0 3 = 5 7 □

Mr. Mohamed Nasr El Din 01210901817-01004201098

Remeber

8 3 5 − *7 1 6* = 1 1 9 ⟹

	8	3	5
−	1	1	9
	7	*1*	*6*

6 3 9 − 4 5 6 = 1 8 3 ⟹

	4	5	6
+	1	8	3
	6	*3*	*9*

Complete :

…. …. …. − 2 2 9 = 4 6 2

6 3 7 − …. …. …. = 1 8 6

…. …. …. − 3 7 3 = 2 6 5

4 1 6 − …. …. …. = 2 7 3

Complete :

	4	3	5
−	□	□	□
	1	2	7

	□	□	□
−	3	2	7
	2	8	0

	7	□	5
−	1	2	□
	6	7	2

	7	3	□
−	□	□	5
	4	2	1

	□	7	□
−	4	7	3
	2	□	1

	7	3	5
−	2	□	□
	□	1	2

	8	4	□
−	□	□	3
	5	0	4

	7	8	6
−	□	□	8
	5	0	□

	□	5	6
−	2	□	4
	3	8	□